

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at page 3, line 18 with the following amended paragraph.

The present inventors recognized a need in the art for identification of sites in the AAV capsid protein(s) from which peptides/polypeptides of interest may be presented in a desired conformation to allow the development of AAV vectors that deliver DNA to specific target cells and the development of AAV vectors that present/display on their surface immunogenic peptides/polypeptides. ~~Their~~ The invention is based on the elucidation of sites/regions in the AAV2 capsid protein that are amenable to insertion of heterologous peptides, the development of scaffolding sequences required for proper conformation of peptides, and the construction of AAV2 vectors with altered tropism. The full length nucleotide sequence of the wild type AAV2 vector is set out as SEQ ID NO: 12. The amino acid sequence of VP1 capsid protein (SEQ ID NO: 13) is encoded by the nucleotides 2203-4410 of SEQ ID NO: 12, the amino acid sequence of VP2 capsid protein (SEQ ID NO: 14) is encoded by nucleotides 2614-4410 of SEQ ID NO: 12 and the amino acid sequence of VP3 capsid protein (SEQ ID NO: 15) is encoded by nucleotides 2809-4410 of SEQ ID NO: 12.